



1626

1626

TRANSMITTING TRIODE*For oscillator applications requiring unusually stable characteristics*

Heater ⁰	Coated Unipotential Cathode	
Voltage	12.6	a-c or d-c volts
Current	0.25	amp.
Amplification Factor	5	
Direct Interelectrode Capacitances:		
Grid to Plate	4.4	μf
Grid to Cathode	3.2	μf
Plate to Cathode	3.4	μf
Maximum Overall Length		4-1/8"
Maximum Seated Height		3-9/16"
Maximum Diameter		1-9/16"
Bulb		ST-12
Base	Small Shell Octal 8-Pin, Micanol [®]	

MAXIMUM CCS RATINGS and TYPICAL OPERATING CONDITIONS

CCS = Continuous Commercial Service

R-F POWER AMPLIFIER & OSCILLATOR - Class C Telephony*Key-down conditions per tube without modulation ***

D-C Plate Voltage	250 max.	volts
D-C Grid Voltage	-150 max.	volts
D-C Plate Current	25 max.	ma.
D-C Grid Current	8 max.	ma.
Plate Input	6.25 max.	watts
Plate Dissipation	5 max.	watts
Typical Operation:		
D-C Plate Voltage	250	volts
D-C Grid Voltage*	-70	volts
	14000	ohms
	2300	ohms
	105	volts
Peak R-F Grid Voltage	25	ma.
D-C Plate Current	5	approx. ma.
D-C Grid Current**	0.5	approx. watt
Driving Power**	4	approx. watts
Power Output		

⁰ In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.

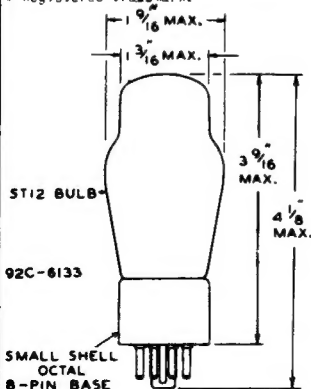
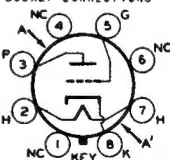
** Modulation essentially negative may be used if the positive peak of the audio-frequency envelope does not exceed 115% of the carrier conditions.

* Obtained from fixed supply (-70), by grid resistor (14000), or cathode resistor (233), or by combination methods. When the 1626 is used in the final amplifier or a preceding stage of a transmitter designed for break-in operation and oscillator keying, a small amount of fixed bias must be used to maintain the plate current at a low value. With plate volts of 250, a fixed bias of at least -35 volts must be used.

** Subject to wide variations as explained on sheet TRANS. TUBE RATINGS.

Registered trademark.

Data on operating frequencies for the 1626 are given on the sheet TRANS. TUBE RATINGS vs FREQUENCY.

**BOTTOM VIEW OF SOCKET CONNECTIONS****AA' = PLANE OF ELECTRODES**

- Pin 1 - No Connection
- Pin 2 - Heater
- Pin 3 - Plate
- Pin 4 - No Connection
- Pin 5 - Grid
- Pin 6 - No Connection
- Pin 7 - Heater
- Pin 8 - Cathode

TUBE MOUNTING POSITION
VERTICAL or HORIZONTAL

MARCH 15, 1941

RCA RADIONRON DIVISION
RCA MANUFACTURING COMPANY, INC.

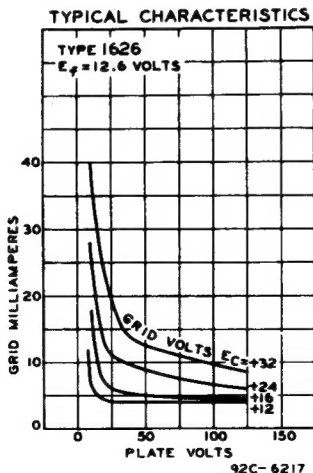
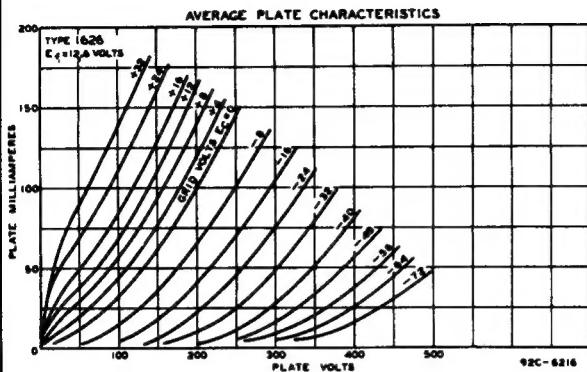
TENTATIVE DATA

1626



1626

TRANSMITTING TRIODE



MARCH 15, 1941

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.92C-6216,
92C-6217